

## ABSTRACT OF THE DISCLOSURE

A paper/board web is coated with a plane-fed curtain coater having a nozzle beam (40) with at least one feed chamber (12) and a nozzle slot (30) in connection therewith for feeding at least one layer of coating material onto a flow plane (35) established by the nozzle beam (40). The cross-thickness profile of said at least one coating material layer (2) on top of the flow plane (35) downstream of the feed slot (30) associated with the discussed layer is determined, and, on the basis thereof, the feed rate of the coating material layer from the feed chamber (12) to the feed slot (30) is subjected to a manipulation profiled crosswise of a web (W) to achieve a desired cross-profile for the at least one coating material layer.